

Application Serial No. 10/603,094  
Attorney Docket No.: 1954-410  
Response to Office Action of 2/5/09

**Listing of the Claims:**

1. (Currently Amended) An unlipidated cytomegalovirus vaccine which comprises a fusion peptide composed of a T helper epitope fused to a CMV CTL epitope.
2. (Previously Presented) A cytomegalovirus vaccine of claim 1 wherein said T helper epitope is PADRE (SEQ ID NO:2).
3. (Withdrawn) A cytomegalovirus vaccine of claim 1 wherein said T helper epitope is a tetanus epitope.
4. (Withdrawn) A cytomegalovirus vaccine of claim 3 wherein said tetanus epitope is selected from the group consisting of tetanus heavy chain (590-603), tetanus heavy chain (615-629), tetanus heavy chain (639-652) (SEQ ID NO:4), tetanus heavy chain (830-843) (SEQ ID NO:3), and tetanus heavy chain (947-967).
5. (Previously Presented) A cytomegalovirus vaccine of claim 1 wherein said CMV CTL epitope peptide is selected from the group consisting of pp65<sub>13-24</sub> (SEQ ID NO:15), pp65<sub>186-196</sub> (SEQ ID NO:16), pp65<sub>188-195</sub> (SEQ ID NO:17), pp65<sub>265-275</sub> (SEQ ID NO:18), pp65<sub>363-373</sub> (SEQ ID NO:19), pp65<sub>369-379</sub> (SEQ ID NO:20), pp65<sub>367-379</sub> (SEQ ID NO:21), pp65<sub>495-503</sub> (SEQ ID NO:1) and pp65<sub>417-426</sub> SEQ ID NO:22).
6. (Previously Presented) A cytomegalovirus vaccine of claim 5 wherein said CMV pp65 CTL epitope is pp65<sub>495-503</sub> (SEQ ID NO:1).
7. (Original) A cytomegalovirus vaccine of claim 1 which further comprises a DNA adjuvant.

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8. (Previously Presented) A cytomegalovirus vaccine of claim 7 wherein said DNA adjuvant is selected from the group consisting of SEQ ID NO:8, SEQ ID NO:9 and SEQ ID NO:10.
9. (Original) A cytomegalovirus vaccine of claim 1 which further comprises a pharmaceutically acceptable carrier.
10. (Previously Presented) An unlipidated fusion peptide comprising a T helper epitope fused to a CMV CTL epitope peptide.
11. (Previously Presented) A fusion peptide of claim 10 wherein said T helper epitope is PADRE (SEQ ID NO:2).
12. (Withdrawn) A fusion peptide of claim 10 wherein said T helper epitope is a tetanus epitope.
13. (Withdrawn) A fusion peptide of claim 10 wherein said tetanus epitope is selected from the group consisting of tetanus heavy chain (590-603), tetanus heavy chain (615-629), tetanus heavy chain (639-652) (SEQ ID NO:4), tetanus heavy chain (830-843) (SEQ ID NO:3), and tetanus heavy chain (947-967).
14. (Withdrawn) A method of modifying the immune response of a mammal to CMV comprising administering an effective amount of a vaccine of claim 1.